アメリカ

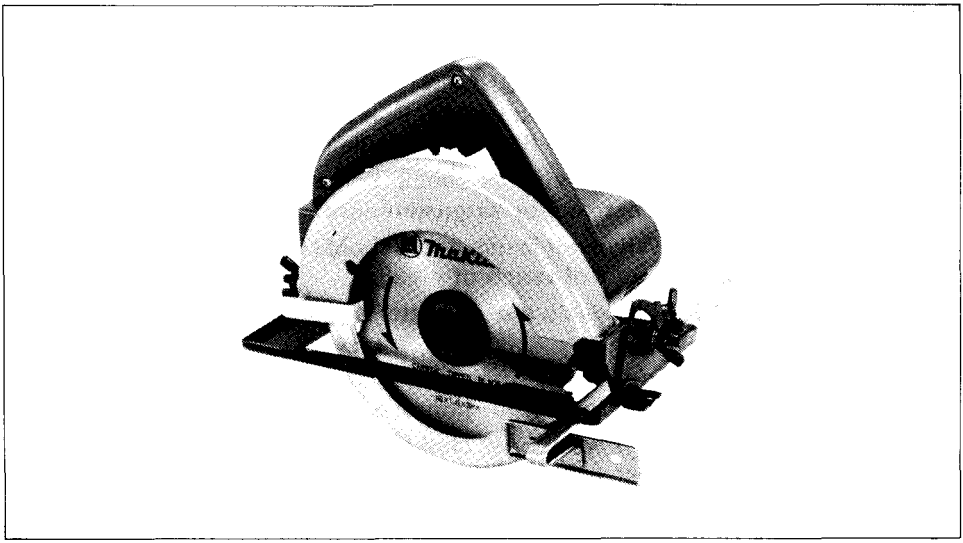
Makita

Cordless Circular Saw

160 mm (6-1/4") MODEL 5600DW

With Fast Charger

INSTRUCTION MANUAL



SPECIFICATIONS

• Model 5600D & Battery cartridge 1000

Blade diameter	Max. cutting depth		No load speed	Overall length	Net weight
	45°	90°			
160 mm (6-1/4")	36 mm (1-3/8")	55 mm (2-1/8")	1,000 R/min.	256 mm (10")	3.5 kg (7.7 lbs)

• Battery cartridge 1000		**• Model DC1000 Fast charger**			
Voltage	Charging time	Input	Output	Dimensions (L x W x H)	Net weight
10.8 V	1 Hr.	A.C. only 50 Hz – 60 Hz	D.C. 10.8 V	211 mm x 130 mm x 88 mm (8-1/4" x 5-1/8" x 3-1/2")	2.7 kg (6 lbs)

* Manufacturer reserves the right to change specifications without notice.
• Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. KEEP WORK AREA CLEAN. Cluttered areas and benches invite injuries.
2. CONSIDER WORK AREA ENVIRONMENT. Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. KEEP CHILDREN AWAY. All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. STORE IDLE TOOLS. When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was intended.
6. USE RIGHT TOOL. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. DRESS PROPERLY. Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty.
9. DON'T ABUSE CORD. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. SECURE WORK. Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. DON'T OVERREACH. Keep proper footing and balance at all times.
12. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. DISCONNECT TOOLS. When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. AVOID UNINTENTIONAL STARTING. Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. OUTDOOR USE EXTENSION CORDS. When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. STAY ALERT. Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. GUARD AGAINST ELECTRIC SHOCK. Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. REPLACEMENT PARTS. When servicing, use only identical replacement parts.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user — as well as damage to the tool. If in doubt, DO NOT PLUG IN THE TOOL. Using a power source with voltage less than the nameplate rating is harmful to the motor.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
3. CAUTION – To reduce risk of injury, charge only MAKITA type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
   a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
   b. That extension cord is properly wired and in good electrical condition; and
   c. That wire size is at least as large as the one specified in the table below.

TABLE 1
RECOMMENDED MINIMUM AWG SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERS

Length of Cord (Feet)	25	50	100	150
AWG Size of Cord	18	18	18	16

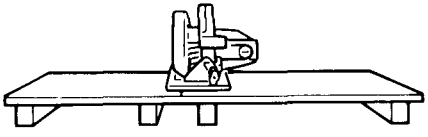
9. Do not operate charger with damaged cord or plug – replace them immediately.
10. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble charger or battery cartridge; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

ADDITIONAL SAFETY RULES FOR CHARGER & BATTERY CARTRIDGE

1. Do not charge Battery Cartridge when temperature is BELOW 10°C (50°F) or ABOVE 40°C (104°F).
2. Do not attempt to use a step-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Do not short the battery cartridge. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
5. Do not store the tool and Battery Cartridge in locations where the temperature may reach or exceed 50°C (122°F).
6. Do not incinerate the Battery Cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.

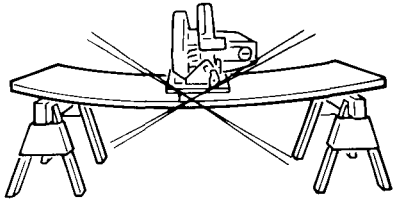
ADDITIONAL SAFETY RULES

1. Keep Guards In Place and In Working Order.
   Never wedge or tie lower guard open. Check operation of lower guard before each use. Don't use if lower guard does not close briskly over saw blade. CAUTION: If saw is dropped, lower guard may be bent, restricting full return.
2. Keep Blades Clean and Sharp.
   Sharp blades minimize stalling and kickback.
3. DANGER: Keep Hands Away From Cutting Area.
   Keep hands away from blades. Don't reach underneath work while blade is rotating. Don't attempt to remove cut material when blade is moving. CAUTION: Blades coast after turn off.
4. Support Large Panels.
   Large panels must be supported as shown in Fig. 1 to minimize the risk of blade pinching and kickback.
   When cutting operation requires the resting of the saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.



To avoid kickback, do support board or panel near the cut.

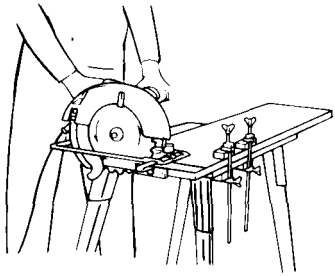
Fig. 1



Don't support board or panel away from the cut.

Fig. 2

5. Use Rip Fence.
   Always use a fence or straight edge guide when ripping.
6. Guard Against Kickback.
   Kickback occurs when the saw stalls rapidly and is driven back towards the operator. Release switch immediately if blade binds or saw stalls. Keep blades sharp. Support large panels as shown in Fig. 1. Use fence or straight edge guide when ripping. Don't force tool. Stay alert exercise control. Don't remove saw from work during a cut while the blade is moving.
7. Lower Guard. Raise lower guard with the retracting handle.
8. Adjustments. Before cutting be sure depth and bevel adjustments are tight.
9. Use Only Correct Blades In Mounting. Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.
10. Avoid Cutting Nails. Inspect for and remove all nails from lumber before cutting.
11. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the workpiece during the cutting operation.
    Operate with proper hand support, proper workpiece support, and supply cord routing away from the work area.



A typical illustration of proper hand support, workpiece support, and supply cord routing.

Fig. 3

WARNING:
It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 3 illustrates typical hand support of the saw.

12. Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made. As examples, Fig. 4 illustrates the RIGHT way to cut off the end of a board, and Fig. 5 the WRONG way. If the workpiece is short or small, clamp it down. Don't try to hold short pieces by hand!

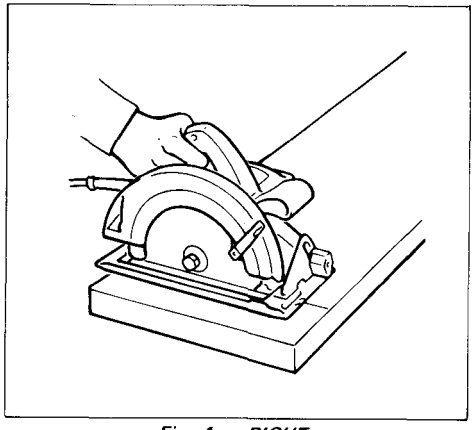


Fig. 4 – RIGHT

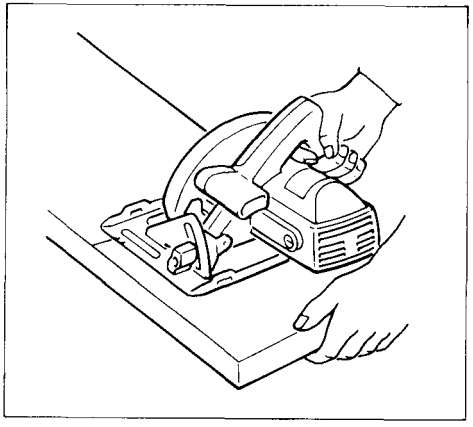


Fig. 5 – WRONG

13. Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents.

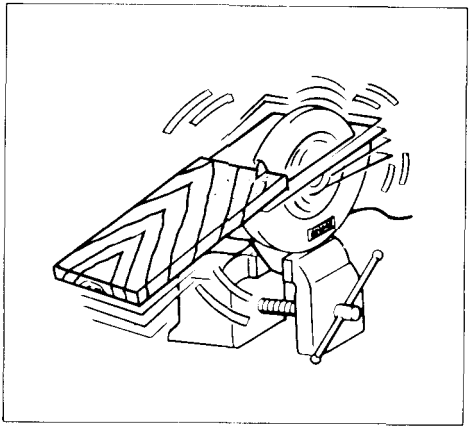


Fig. 6

14. Before setting the tool down after completing a cut, be sure that the lower (telescoping) guard has closed and the blade has come to a complete stop.

SAVE THESE INSTRUCTIONS.

HOW TO USE

Installing or removing battery cartridge

- Use the Fast Charger DC1000 to charge the Battery Cartridge 1000.
  The battery cartridge is housed within the circular saw. To remove the cartridge, turn the battery retainer in the arrow direction, grasp the cartridge carefully and withdraw from the tool.

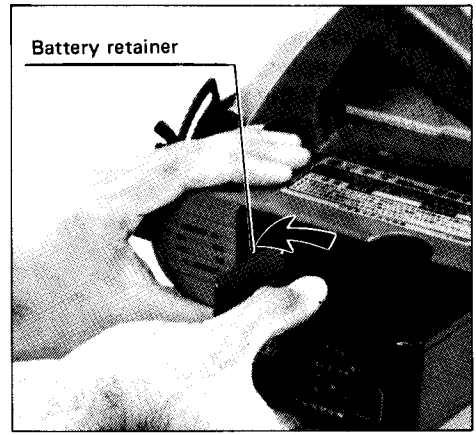


Fig. 4

- After charging is finished, fit the battery cartridge back into the tool.
  Slide it all the way inside the tool. Then turn the battery retainer back down so as to secure the cartridge in place.

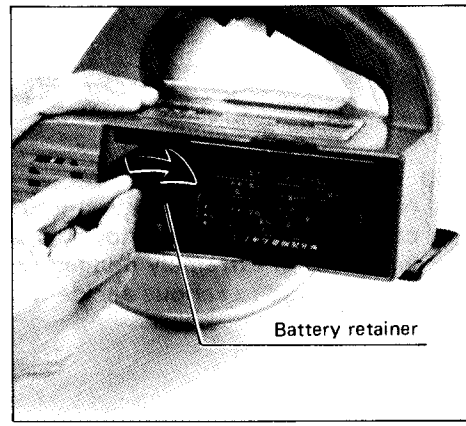


Fig. 5

Charging

- Plug the fast charger into your power source. Insert the battery cartridge so that the plus and minus terminals on the battery cartridge are on the same sides as their respective markings on the fast charger.

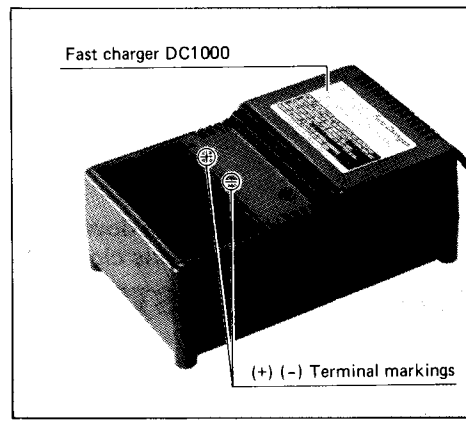


Fig. 6

- Insert battery cartridge fully into the port so that it rests on the charger port floor. Check to see that the charging light comes on. When it goes out, you may remove the fully charged battery cartridge. After charging, unplug the charger from the power source.

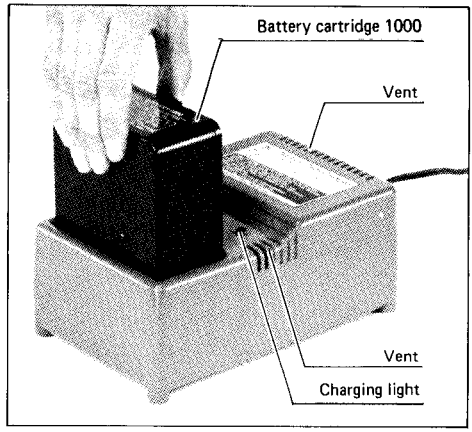


Fig. 7

- Sometimes the charging light will not come on after you insert a cartridge from a just-operated tool. Let the cartridge cool off for a while. Then re-insert it and try to charge it once more.
- If you wish to charge two battery cartridges, allow 15 minutes between charging on the fast battery charger.

Installing or removing blade

CAUTION:

Be sure that the battery cartridge has been removed from the tool.

- To remove the blade, use the wrench to hold the outer flange in place while loosening the hex bolt counterclockwise with the socket wrench.

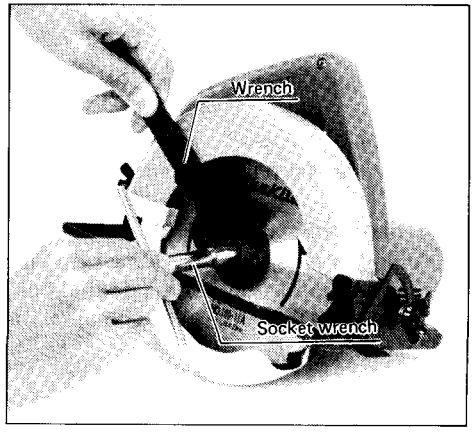


Fig. 8

• Next, remove the outer flange and, with the safety guard retracted fully, take the blade off the shaft.

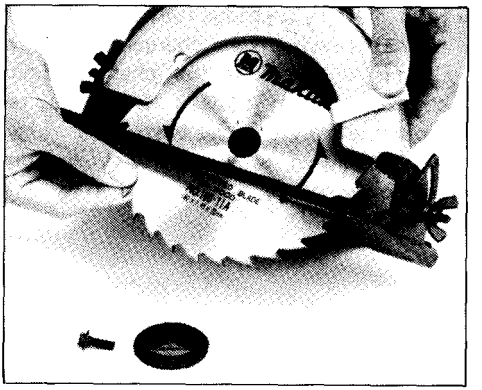


Fig. 9

• Install the balde following the removal procedure in reverse. The order of installation should be: inner flange, blade, outer flange, hex bolt. Tighten the hex bolt securely. Be sure the blade is installed with teeth pointing up at the front of the tool.

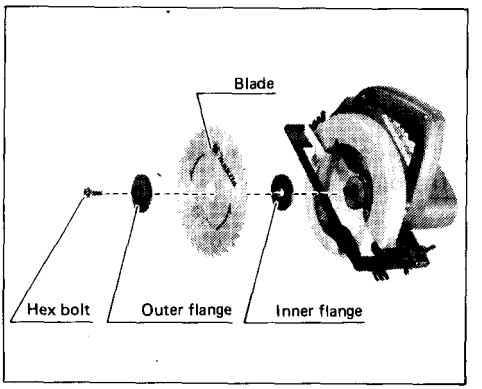


Fig. 10

• The circular saw shaft accepts blades with a hole diameter of 5/8".

CAUTION:
Use only the Makita socket wrench to secure the hex bolt on the blade.

Adjusting cutting depth

• Loosen the wing nut. Now the base may be moved up or down. At a desired position, secure the base by tightening the wing nut.

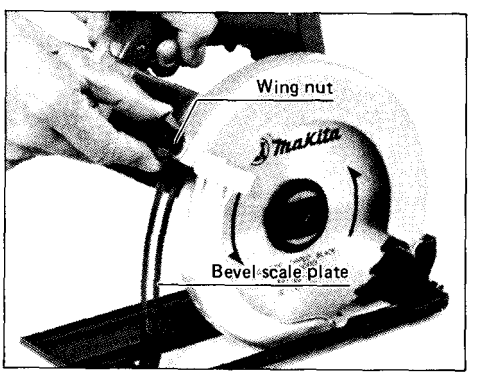


Fig. 11

Bevel cutting

- Loosen the wing nut on the bevel scale plate on base front. Set for a desired angle (0 – 45°) by tilting accordingly, then tighten the wing nut firmly.

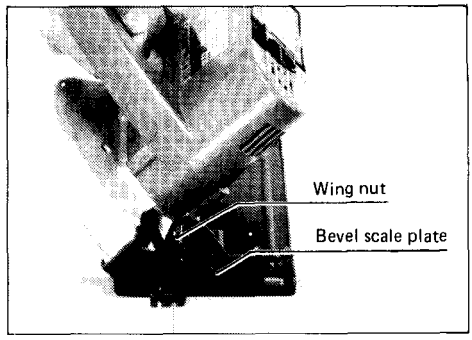


Fig. 12

CAUTION:
It is extremely dangerous to cut with the saw when the wing nut has not been fully tightened. Always secure the wing nut carefully after adjusting cutting depth.

Sighting

- Use the right notch of the top guide for straight cuts. The left notch is for 45° bevel cuts.

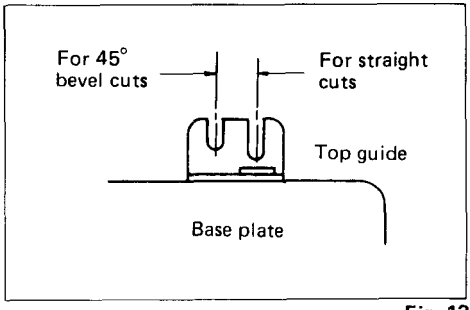


Fig. 13

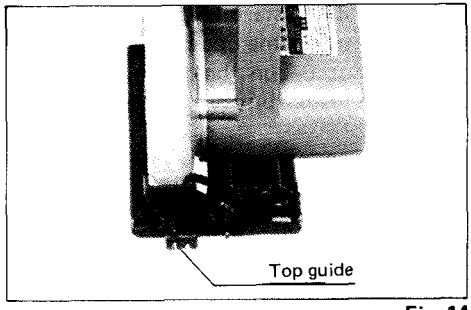


Fig. 14

Switch operation

- The trigger switch comes with a lock-off plate. When the lock-off plate is pulled back in the arrow direction, the trigger can be pulled to turn the tool on, and released to turn it off.

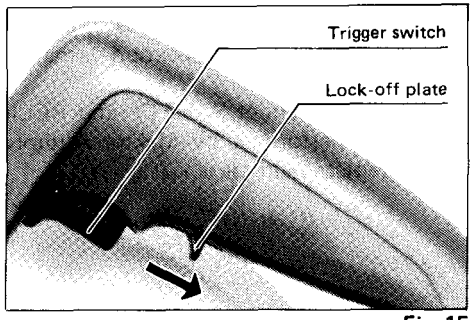


Fig. 15

CAUTION:
Before inserting the battery cartridge into the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

Operation

- Hold the tool firmly. Set the base plate on the workpiece to be cut without the blade making any contact. Then turn the tool on. Now simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the sawing is completed.
  To get clean cuts, keep your sawing line straight and your speed of advance uniform.

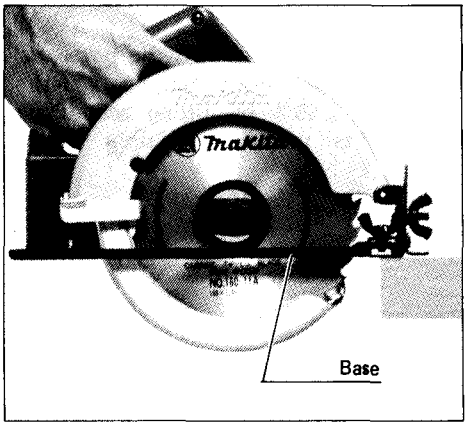


Fig. 16

Overload protector

- The overload protector automatically cuts out to break the circuit and the button pops out, whenever heavy work is prolonged. Wait 20-30 seconds before pressing the restart button (on housing in back) to resume operation. Your finger should not be on the trigger when you press the restart button, however.

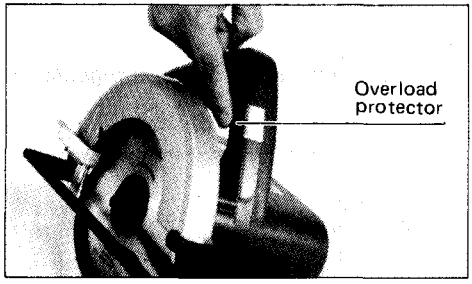


Fig. 17

MAINTENANCE

CAUTION:
Always be sure that the tool is unplugged and the battery cartridge is removed before attempting to perform inspection or maintenance.

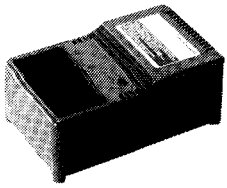
To maintain product SAFETY and RELIABILITY, repairs, maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers always using Makita replacement parts.

ACCESSORIES

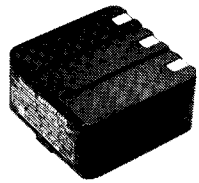
CAUTION :

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Fast charger (DC1000)**



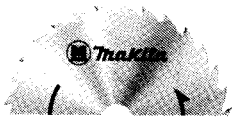
- **Battery cartridge (1000)**



- **Carbide-tipped saw blade**

(Part No. 721256-9)

Fastest, smoothest, longer sawing without blade sharpening.
Cuts wood, dry wall, plastic, hardwood, etc.



- **Guide rule (Rip fence)**

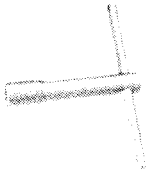
(Part No. 164095-8)

- **Wrench 22**

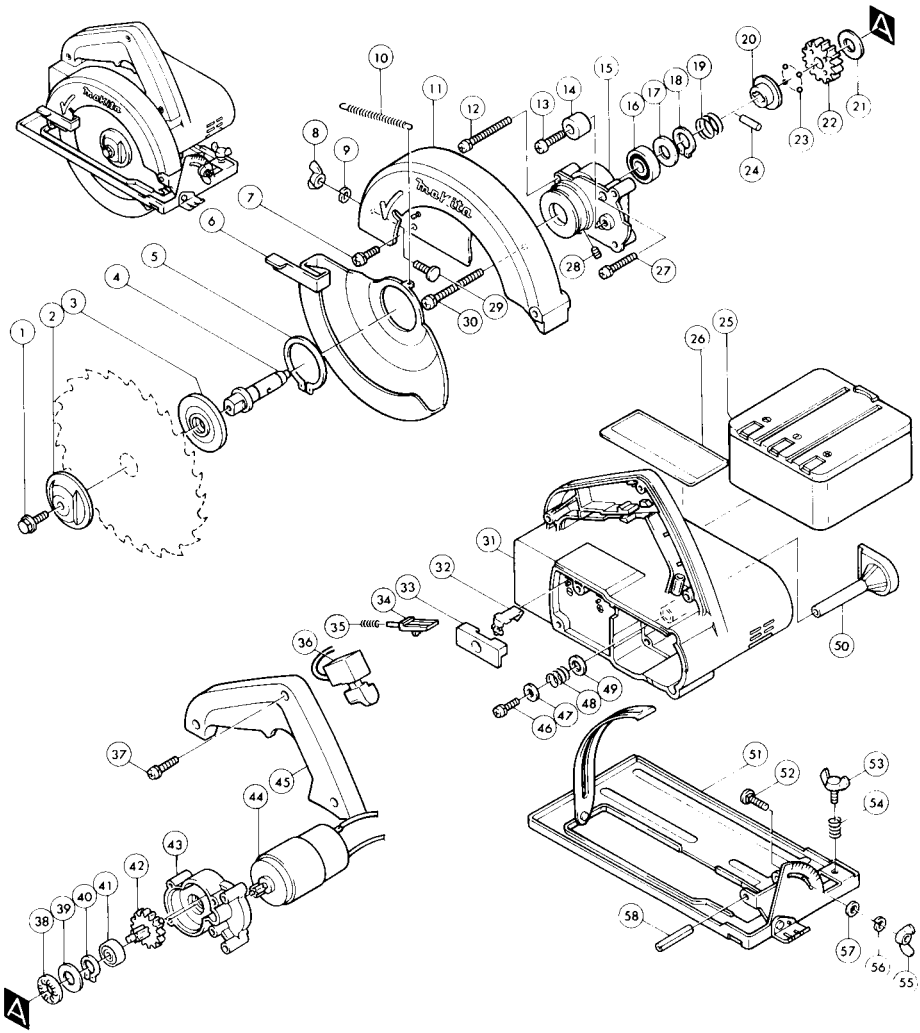
(Part No. 781011-1)

- **Socket wrench 9**

(Part No. 782209-3)



160 mm (6-1/4") CORDLESS CIRCULAR SAW
Model 5600D



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
1	1	Hex. Flange Head Bolt M8x17 (With Washer)
2	1	Outer Flange 45
3	1	Inner Flange 45
4	1	Spindle
5	1	Retaining Ring S-38
6	1	Safety Cover
7	2	Pan Head Screw M5x16 (With Washer)
8	1	Wing Nut M6
9	1	Spring Washer 6
10	1	Tension Spring 4
11	1	Blade Case
12	3	Pan Head Screw M4x55 (With Washer)
13	1	Pan Head Screw M6x20
14	1	Rubber Sleeve 6
15	1	Bearing Box
16	1	Ball Bearing 6001LLB
17	1	Flat Washer 12
18	1	Retaining Ring S 12
19	1	Compression Spring 19
20	1	Clutch Cam
21	1	Flat Washer 12
22	1	Spur Gear 69
23	4	Steel Ball 4.8
24	1	Pin 4
25	1	Battery 1000
26	1	Name Plate
27	2	Pan Head Screw M4x30 (With Washer)
28	1	Set Screw M4x6
29	1	Cap Square Neck Bolt M6x20

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
30	1	Pan Head Screw M5x55 (With Washer)
31	1	Motor Housing
32	2	Terminal
33	1	Terminal Support
34	1	Lock Off Plate
35	1	Compression Spring 3
36	1	Switch
37	3	Pan Head Screw M4x20 (With Washer)
38	1	Thrust Needle Gauge 1224
39	1	Washer 1224
40	1	Retaining Ring S 12
41	1	Ball Bearing 606
42	1	Gear 16-61
43	1	Gear Housing
44	1	Motor
45	1	Handle Cover
46	1	Pan Head Screw M5x16 (With Washer)
47	1	Flat Washer 5
48	1	Compression Spring 11
49	1	Thin Washer 10
50	1	Battery Retainer
51	1	Base
52	1	Cap Square Neck Bolt M6x20
53	1	Wing Bolt M6x15
54	1	Compression Spring 7
55	1	Wing Nut M6
56	1	Spring Washer 6
57	1	Flat Washer 6
58	1	Spring Pin 5-36

Note: The switch and other part specifications may differ from country to country.

アメリカ

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others:
- repairs are required because of normal wear and tear:
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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